SPECIFICATION

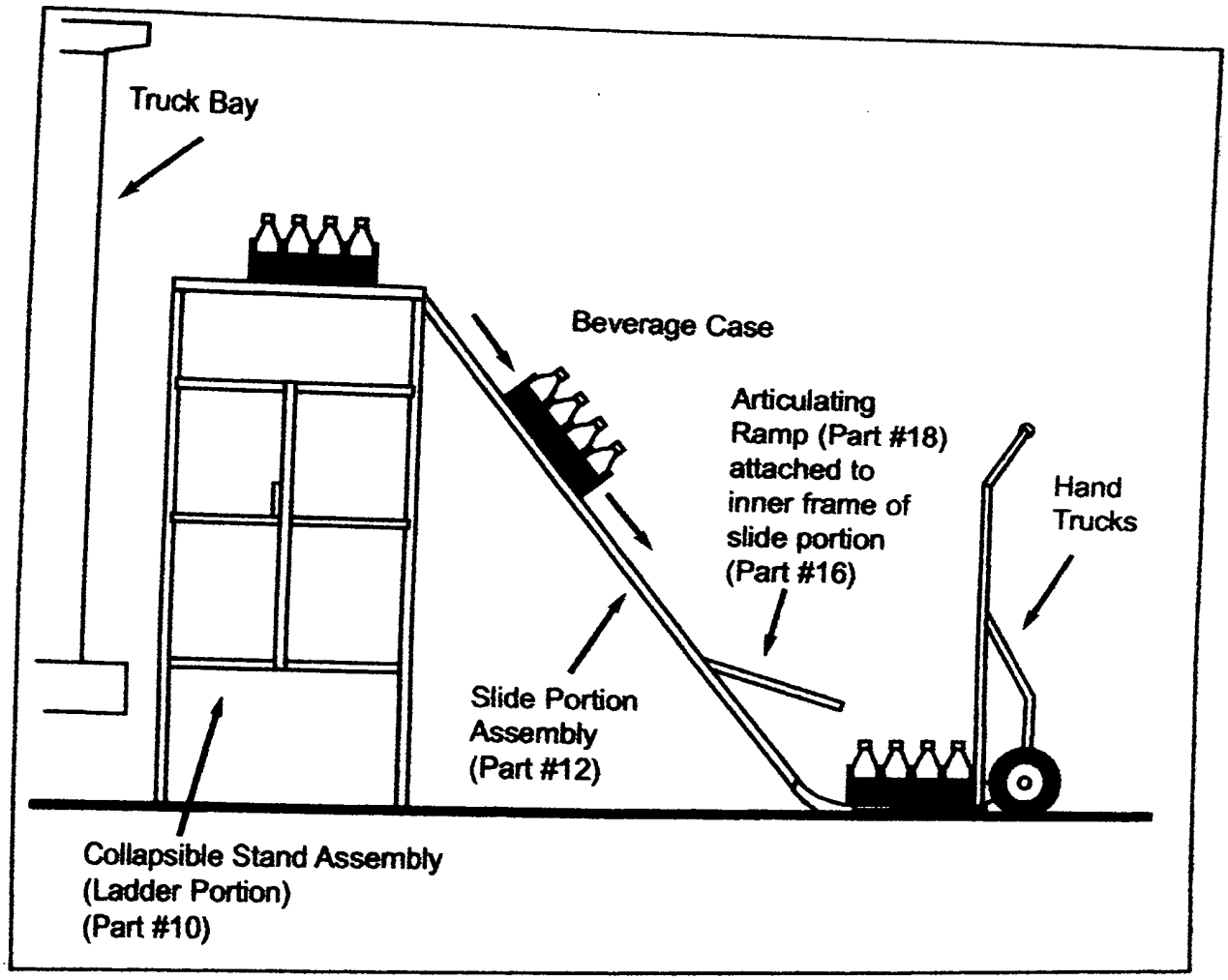
THE ERGONOMIC BAY UNLOADING PRODUCT STACKER

(T.E.B.U.P.S.)

(New Sheet)

T.E.B.U.P.S.

Parts Illustrations/Part Numbers



Cases of beverage will be placed on top of the stand and will slide down onto the hand trucks which will be attached at the bottom of the slide portion. The slide portion has an inner frame with an articulating ramp that will raise and lower by use of a control handle located near the top of the slide portion. The articulating ramp will raise to various positions in order to stack cases of beverage on top of each prior case being slid down.

CROSS REFERENCE TO RELATED APPLICATIONS

"NOT APPLICABLE"

STATEMENT REGARDING FEDERALLY SPONSORED RESEARCH AND DEVELOPMENT

"NOT APPLICABLE"

BACKGROUND OF THE INVENTION

This device will be used to establish an ergonomic tool for the beverage industry. It will greatly aid delivery drivers in unloading product from truck bays, especially when stacked high in bays. It will also help eliminate many costly back and upper torso injuries.

I conceived this while at home on 4-5-1998 when considering the problems and resulting injuries that delivery truck drivers encounter. This tool/idea is believed to be entirely new.

There is no relevant prior art associated with this invention.

SUMMARY

Drivers of beverage delivery trucks currently have to stand precariously on the side of the truck bay to unload product. This task currently involves continuously having to climb back on and off to take cases off the truck and set the cases on handtrucks. This invention makes it possible for the driver to unload cases onto a sliding ramp down which the cases slide and automatically stack on the handtrucks. The sliding ramp attaches to a collapsible stand which also serves as a stand to support the person as he unloads the cases. The objective is to eliminate excessive climbing and awkward handling of product. The advantage of this tool is that it provides a means of enabling the operator to safely reach the product and slide several cases onto handtrucks without having to excessively climb on and off the truck. The device is manufactured of aluminum to make it lightweight and easy to carry and assemble.

DRAWING FIGURES

Figure 1
Shows an overview of operation and intent of tool
with part numbers referenced.

Figure 2
Slide Portion Assembly - Overhead View
with part numbers referenced.

Figure 3
Slide Portion Assembly - Side View
with part numbers referenced.

Figures 4, 5, & 6
Shows different positions of Articulating Ramp
and Slide Portion Assembly

Figure 7
Control Handle for changing positions of Articulating Ramp

Figure 8
Collapsible Stand

Figure 9 - 9c
Collapsing the Stand